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EUROPEAN PATENT APPLICATION

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- Parallel pseudo-random generator for emulating a serial pseudo-random generator and method for carrying out same.
- © A parallel pseudo-random generator for emulating a serial pseudo-random generator that generates serial outputs such that the next serial output value is based upon an Exclusive OR combination of at least two preceding serial output values the maximum preceding serial output value defined as the Pth preceeding serial output value, where P is an integer greater than one; comprising:

A) at least P latches, each latch having an output having a logic value 1 or 0 and an input operable upon receipt of a clock signal, for receipt of data for controlling the next logic value on the latch output;

B) at least P Exclusive OR gates, each having at least two inputs and one output, each Exclusive OR gate output connected to a corresponding input of one latch so as to define the next value of the latch output upon receipt of the next clock signal; and

C) means for connecting each input of each Exclusive OR gate to one latch output so that the output of each Exclusive OR gate represents the

corresponding next value of the latch to which This Exclusive Or gate output is connected.

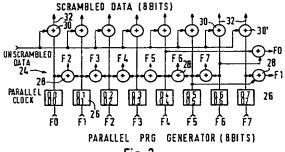


Fig. 2





EUROPEAN SEARCH REPORT

Application Number

EP 90 10 8555

1	Citation of document with in	DERED TO BE RELEVA	Relevant	CLASSIFICATION OF THE	
Category	of relevant pa		to claim	APPLICATION (Int. Cl. 5)	
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711	Place of search	Date of completion of the search	007	Examiner	
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